

Comparación entre procesadores de audio de alta gama

Vea en pag 4 procesadores de bajo costo - For English Comparative Table , please go to page 2, 3 & 4

Especificación o parámetro comparativo	Solidyne 362	Solidyne 462dsp	Solidyne 562 dsp	Orban 2200	Orban 8500	Omnia 6-FM	APHEX 2020	AXEL Falcon 15	AXEL Falcon 50	AMIGO FM
Procesado con calidad de audio CD home ? (Distorsión menor de 0,03 %)	SI 0,02 %	SI (0,02%)	SI (0,005 %)	NO (0,05%)	SI (0,01%)	SI (0,02%)	NO (0,05 %)	SI	SI	NO
Procesado calidad digital profesional (THD % < 0,01 %) ?	NO	SI	SI (0,005%)	NO	NO	NO	NO	SI	SI	NO
Relación señal / Ruido de calidad CD (90 dBA) ?	SI (90 dB)	SI (90 dB)	SI (95 dB)	NO (85 dB)	SI (90 dB)	NO (80 dB)	NO (71dB)	SI	SI	NO
Generador Estéreo con rango dinámico calidad CD (90 dBA)	SI	SI	SI	NO (85 dB)	NO(85 dB)	NO	No especific.	NO	NO	NO
Generador Estéreo calidad Digital profesional (Distorsión < 0,01 %) ?	SI (0,01 %)	SI (0,003 %)	SI (0,003 %)	NO (0,05%)	NO (0,02%)	NO (0,02 %)	NO	NO	¿?	NO
Separación de canales > 70 dB @ 1.000 Hz ?	NO	SI	SI	NO	NO	NO	NO	NO	SI	NO
Salida MPX diferencial para cancelar zumbido ?	SI	SI	SI	NO	SI	NO	NO	SI	SI	NO
Permite ser controlado remotamente desde Internet ?	NO	SI	SI	NO	SI	SI	NO	SI	SI	NO
Es posible controlarlo desde PC ?	NO	SI	SI	NO	SI	SI	SI	SI	SI	NO
Dual clipper de 10 Mhz de ancho de banda, para cancelar alias que dan aspereza al sonido?	NO	SI	SI	NO	SI	NO	NO	NO	NO	NO
Protección canal RDS mayor de 50 dB?	NO	SI	SI	NO	SI	SI	NO	NO	SI	NO
Tiene software de soporte para que cada tema reproducido en la PC de aire, modifique el ajuste para cada tipo de música?	NO	SI	SI	NO	SI	NO	NO	NO	NO	NO
Ofrece cambiar software a modo VOICE al abrir los atenuadores de MIC de consola?	NO	SI	SI	NO	NO	NO	NO	NO	NO	NO
Incluye mejorador de sensación estéreo (Stereo Enhancer) ?	NO	NO	SI	NO	SI	SI	NO	NO	SI	NO
Tiene Licencia de Stereo Enhancer 3D de una tecnología reconocida internacionalmente ?	NO	NO	SI SRS Labs	NO	SI ¿?	NO	NO	NO	NO	NO
Incluye Expansor Lineal para eliminar ruidos de fondo?	SI	SI	SI	NO	SI	SI	SI	NO	SI	NO
Tiene Cancelador de Asimetría (aumenta 3 dB la voz humana) ?	SI	SI	SI	NO	SI	SI	SI	NO	SI	NO
Procesado DSP interno con más de 32 bits?	NO	SI	SI (48 bits)	NO	SI	NO (24 bits)	NO	NO	NO (24 bits)	NO
Ofrece opción de codificador RDS interno?	NO	NO	SI	NO	NO	NO	NO	SI	SI	NO
Posee post-procesado en el generador estéreo para incrementar 2 dB la señal (Composite processing) ?	SI	SI	SI	NO	SI	SI	NO	NO	NO	NO
Tiene 4 o más bandas de compresión ?	NO (3 band)	SI (4 Band)	SI (5 bands)	NO (2 Band)	SI (5 Band)	SI (5 band)	SI (4 band)	NO	SI	NO
Tiene suficientes memorias para todos los tipos de música	NO	SI (30)	SI (30)	NO	SI	NO	NO	SI	SI	NO
Ofrece en opción entrada/salida digital AES3 ?	NO	SI	SI	SI	SI	SI	SI	SI	SI	NO
Ofrece el fabricante un Demo de audio con sonido grabado desde aire ?	SI	SI	SI	NO	NO	NO	NO	NO	NO	NO
Ofrece una garantía amplia por más de 3 años?	SI (5 años)	SI (5 años)	SI (5 años)	NO (2 años)	NO (2 años)	NO (2 años)	NO (2 años)	NO (2 años)	NO (2 años)	NO (1 año)
TOTAL DE PUNTOS DE RESPUESTA POSITIVA	10	22	25	1	17	10	5	9	15	0

La presente tabla ha sido realizada por la consultora independiente: Miller & Associates Consulting Co basada en la información disponible en Internet (Manuales, Folletos, Notas técnicas, etc)

Audio Processor Comparative Table-I (English)

Specification to be compared	Solidyne 362	Solidyne 462dsp	Solidyne 562 dsp	Orban 2200	Orban 8500	Omnia 6-FM	APHEX 2020	AXEL Falcon 15
Audio processing with CD Home quality (THD < 0,03 %) ?	YES 0,02 %	YES (0,02%)	YES (0,005 %)	NO (0,05%)	YES (0,01%)	YES (0,02%)	NO (0.05 %)	YES
Audio Processing with professional digital quality (THD % < 0,01 %) ?	NO	YES (0,005%)	YES (0,005%)	NO	YES	NO	NO	YES
Dynamic Range CD quality (90 dBA) ?	YES (90 dB)	YES (90 dB)	YES (95 dB)	NO (85 dB)	YES (90 dB)	NO (80 dB)	NO (71dB)	YES
Stereo coder with CD audio quality (90 dBA)	YES	YES	YES	NO (85 dB)	NO(85 dB)	NO	¿?	NO
Stereo Coder with digital audio quality (THD< 0,01 %) ?	YES (0,01 %)	YES (0,003 %)	YES (0,003 %)	NO (0,05%)	NO (0,02%)	NO (0,02 %)	NO	NO
Channel Separation > 70 dB @ 1.000 Hz ?	NO	YES	YES	NO	NO	NO	NO	NO
Differential MPX out for hum cancellation of ground loops ?	YES	YES	YES	NO	YES	NO	NO	YES
Can be controlled from Internet with TC/IP Output ?	NO	NO	YES	NO	YES	YES	NO	YES
Can be controlled from PC, using RS232 or USB ?	NO	YES	YES	NO	YES	YES	YES	YES
Dual clipper 10 MHz Bandwidth, to cancel artifacts?	NO	YES	YES	NO	YES	NO	NO	NO
RDS channel protection > 50 dB	NO	YES	YES	NO	YES	YES	NO	NO
Allows for Automation Software control of musical style ?	NO	YES	YES	NO	NO	NO	NO	NO
Allows for changing settings to VOICE mode when console MIC faders are open?	NO	YES	YES	NO	YES	NO	NO	NO
Does it have 3D Stereo Enhancer licensee of recognized technology ?	NO	YES SRS WOW	YES SRS WOW	NO	YES?	NO	NO	NO
Separate outputs for Internet streaming ?	YES	YES	YES	NO	YES	YES	YES	YES
Does it have Peak Asymmetry Canceller (adds 3 dB on voice) ?	YES	YES	YES	NO	YES	YES	YES	NO
Internal DSP processing with 32 bits precision or more?	NO	YES (48 bits)	YES (48 bits)	NO	YES	NO (24 bits)	NO	NO (24 bits)
Offers optional internal RDS coder?	NO	NO	YES	NO	NO	NO	NO	YES
Does it have MPX processing to improve 2 dB the signal ?	YES	YES	YES	NO	YES	YES	NO	NO
Does it have Four or more bands ?	NO (3 band)	YES (4 Band)	YES (5 bands)	NO (2 Band)	YES (5 Band)	YES (5 band)	YES (4 band)	NO
Does it have enough memory presets for all music styles ?	NO	YES (30)	YES (30)	NO	YES	NO	NO	YES
Offers Digital AES3 inputs/outputs, as an option ?	NO	YES	YES	YES	YES	YES	YES	YES
Does the factory offer a CD demo of On-Air sound quality ?	YES	YES	YES	NO	NO	NO	NO	NO
Does it have full Guaranty for 3 years or more?	YES (5 years)	YES (5 years)	YES (5 years)	NO (2 years)	NO (2 years)	NO (2 years)	NO (2 years)	NO (2 years)
SUM OF POSITIVE (Yes) RESPONSES	10	22	24	1	17	10	5	10

This table has been made by the independent consulting group: Miller & Associates Consulting Co based on available information from Internet, Brochures, white papers, etc
 This information was carefully revised, but if you find an error, please write to Oscar Miller: oscar@alsolnet.com to be corrected

Audio Processor Comparative Table-II (English)

Specification to be compared	Solidyne 362	Solidyne 462dsp	Solidyne 562 dsp	Orban 8300	BW DSPXmini	BW DSPXtra	Your choice ?
Audio processing with CD Home quality (THD < 0,03 %) ?	YES 0,02 %	YES (0,02%)	YES (0,005 %)	YES (0,01%)	YES (0,01%)	YES (0,01%)	
Audio Processing with professional digital quality (THD % < 0,005 %) ?	NO	YES	YES (0,005%)	NO	NO	NO	
Dynamic Range CD quality (90 dBA) ?	YES (90 dB)	YES (90 dB)	YES (95 dB)	YES (90 dB)	YES (90 dB)	YES (90 dB)	
Stereo coder with CD audio quality (90 dBA)	YES	YES	YES	NO(85 dB)	NO (85 dBA)	NO (85 dBA)	
Stereo Coder with digital audio quality (THD< 0,01 %) ?	YES (0,01 %)	YES (0,003 %)	YES (0,003 %)	NO (0,02%)	NO (0,02%)	NO (0,02%)	
Channel Separation > 70 dB @ 1.000 Hz ?	NO	YES	YES	NO	YES	YES	
Differential MPX out for hum cancellation of ground loops ?	YES	YES	YES	NO	NO	NO	
Can be controlled from Internet with TC/IP Output ?	NO	NO	YES	NO	YES	YES	
Can be controlled from PC, using RS232 or USB ?	NO	YES	YES	YES	YES	YES	
Dual clipper 10 MHz Bandwidth, to cancel artifacts?	NO	YES	YES	NO	NO	NO	
RDS channel protection > 50 dB	NO	YES	YES	YES	YES	YES	
Allows for Automation Software control of musical style ?	NO	YES	YES	NO	NO	NO	
Allows for changing settings to VOICE mode when console MIC faders are open?	NO	YES	YES	NO	NO	NO	
Does it have 3D Stereo Enhancer licensee of recognized technology ?	NO	YES SRS WOW	YES SRS WOW	NO	NO	NO	
Separate outputs for Internet streaming ?	YES	YES	YES	YES	NO	YES	
Does it have Peak Asymmetry Canceller (adds 3 dB on voice) ?	YES	YES	YES	YES	YES	YES	
Internal DSP processing with 32 bits precision or more?	NO	YES (48 bits)	YES (48 bits)	NO (24 bits)	NO (24 bits)	NO (24 bits)	
Offers optional internal RDS coder?	NO	NO	YES	NO	NO	YES	
Does it have MPX processing to improve 2 dB the signal ?	YES	YES	YES	NO	NO	NO	
Does it have Four or more bands ?	NO (3 band)	YES (4 Band)	YES (5 bands)	YES	YES	YES	
Does it have enough memory presets for all music styles ?	NO	YES (30)	YES (30)	NO	YES	YES	
Offers Digital AES3 inputs/outputs, as an option ?	NO	YES	YES	YES	NO	YES	
Does the factory offer a CD demo of On-Air sound quality ?	YES	YES	YES	NO	NO	NO	
Does it have full Guaranty for 3 years or more?	YES (5 years)	YES (5 years)	YES (5 years)	NO (2 years)	NO (one year)	NO (one year)	
SUM OF POSITIVE (Yes) RESPONSES	10	22	24	8	9	12	

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Low Cost Analog Audio Processors - Comparative Table

SPECIFICATION	Solidyne 362	Biquad Brasil APG	M31 Argentina	Inovonics 255 USA	Inovonics David-III USA	AEV Italy Mirage- MKII	AMIGO FM CRL USA
Is it a true Audio Processor or a standard compressor-limiter ? <i>Note: Processor = >4 stages with full user control of parameters</i>	YES	NO	NO	NO	YES	YES	NO
Audio processing with CD Home quality (THD < 0,03 %) ?	YES	NO	NO	NO	NO	NO	NO
Dynamic Range CD quality (90 dBA) ?	YES	NO	NO	NO	NO	NO	NO
Stereo Coder with Dynamic Range of CD quality (90 dBA) ?	YES	NO	NO	NO	NO	YES	NO
Stereo Coder with CD quality (THD< 0,03 %) ?	YES	NO	NO	NO	NO	YES	YES
Stereo coder with more than 45 dB channel separation 40-12.000 Hz	YES	NO	NO	NO	YES	YES	YES
Differential MPX output for cancellation of hum & noise due to ground loops ?	YES	NO	NO	NO	NO	NO	NO
38 kHz sub carrier suppression below 65 dB ?	YES	NO	NO	NO	YES	YES	NO
Does it have display info of all processing stages ?	YES	NO	NO	YES	YES	YES	NO
Does it have wideband AGC previous to multiband ?	YES	YES	NO	YES	YES	YES	YES
Does it have Linear Expander for noise reduction ?	YES	NO	NO	NO	NO	NO	NO
Does it have Peak Asymmetry Canceller (adds 3 dB on voice) ?	YES	NO	YES	NO	YES	NO	NO
Does it have high frequency separate clipper with IM cancellation	YES	YES	NO	NO	NO	NO	YES
Does it have 3 band Equalizer ?	YES	NO	NO	YES	NO	YES	NO
Does it have Energy (recovery) control for each band ?	YES	NO	NO	NO	YES	NO	NO
Does it have MPX processing to improve 2 dB the signal ?	YES	YES	NO	NO	YES	NO	NO
Does it have 3 or more bands with audio compressors in each one ?	YES	NO	NO	YES	YES	YES	NO
Does it have good band separation (18 – 24 dB/oct) ?	YES 18 dB/oct	NO 12 dB/oct	NO 12 dB/oct	NO 12 dB/oct	NO 12 dB/oct	???	NO
Allows MPX and audio outputs for simultaneous FM stereo & Internet WEBcasting ?	YES	NO	NO	NO	NO	YES	NO
Balanced professional XLR inputs ?	YES	NO Jack inputs	NO	NO terminal strip	YES	YES	NO Terminal strip
Does the factory offer a CD demo of On-Air sound quality ?	YES	NO	NO	NO	NO	NO	NO
SUM OF POSITIVE (Yes) RESPONSES	21	3	1	4	10	11	4
How many bands does it have ?	3 Band	One Band (AGC)	One Band	One band	3 Band	3 Band	One band
How many processing stages offers?	7+SC	3+SC	3+SC	3	3+SC	3+SC	3 +SC

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